

REISSUE APPLICATION



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**United States Patent** [19]  
**McKinney**

[54] CURRENT AND AERATION SYSTEM FOR  
WASTEWATER PLANT

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207, 220, 205, 221.2

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Nayadic Wastewater Treatment Systems Brochure. 2-sided sheet showing wastewater plant.

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[57] ABSTRACT

A defined current and aeration system for the aeration chamber of an aerobic wastewater treatment plant is disclosed. It includes the release of oxygenation gas or air into the aeration chamber through a diffuser or the like at a position such that the air injected into the tank provides the necessary amount of oxygen for aerobic bacterial digestion of the waste while creating a current or circulation pattern in the chamber that forces every portion of the fluid within the aeration chamber into circulation thus preventing the accumulation of solids as sludge in the wastewater treatment plant.

10 Claims, 3 Drawing Sheets

